

**WHAT IS CLAIMED IS:**

1. A method in a data processing system having a program, the method comprising the steps of:

5       asynchronously receiving a first datatype at a subscriber;  
      determining whether the subscriber subscribes to additional datatype after receiving the first datatype; and  
      querying for the additional datatypes responsive to a determination that the subscriber subscribes to additional datatypes.

10       2. The method of claim 1 further comprising the step of:  
      asynchronously receiving at least one of the additional datatypes.

15       3. The method of claim 1, wherein the first datatype has a metadata that describes a data and a reference to the data, the data being maintained separately from the first datatype, the metadata including a key that enables the first datatype to be joined with other datatypes having the key in their respective metadata, and wherein determining whether the subscriber subscribes to additional datatypes comprises identifying the key in the first datatype.

20       4. The method of claim 1, wherein a storage controller is queried for the additional datatypes.

25       5. The method of claim 1, further comprising the step of:  
      subscribing to the first datatype and at least one of the additional datatypes.

6. A computer-readable medium containing instructions that cause a program in a data processing medium to perform a method comprising the steps of:

30       asynchronously receiving a first datatype at a subscriber;  
      determining whether the subscriber subscribes to additional datatype after receiving the first datatype; and  
      querying for the additional datatypes responsive to a determination that the subscriber subscribes to additional datatypes.

7. The computer-readable medium of claim 6, further comprising the step of:  
asynchronously receiving at least one of the additional datatypes.

8. The computer-readable medium of claim 6, wherein the first datatype has a  
5 metadata that describes a data and a reference to the data, the data being maintained  
separately from the first datatype, the metadata including a key that enables the first datatype  
to be joined with other datatypes having the key in their respective metadata, and wherein  
determining whether the subscriber subscribes to additional datatypes comprises identifying  
the key in the first datatype.

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9. The computer-readable medium of claim 6, wherein a storage controller is  
queried for the additional datatypes.

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10. The computer-readable medium of claim 6, further comprising the step of:  
subscribing to the first datatype and at least one of the additional datatypes.

11. A data processing system comprising:  
a memory having a program that asynchronously receives a first datatype at a  
subscriber, determines whether the subscriber subscribes to additional datatype after  
20 receiving the first datatype, and queries for the additional datatypes responsive to a  
determination that the subscriber subscribes to additional datatypes; and  
a processing unit that runs the program.

12. A data processing system comprising:  
25 means for asynchronously receiving a first datatype at a subscriber;  
means for determining whether the subscriber subscribes to additional datatype after  
receiving the first datatype; and  
means for querying for the additional datatypes responsive to a determination that the  
subscriber subscribes to additional datatypes.